

**REMARKS**Claim Changes

Claims 1 and 12 are amended to recite “detecting a need for at least one mobile network prefix for a mobile router, wherein each mobile network prefix corresponds to a subnet behind the mobile router and comprises a plurality of internet protocol addresses”. These changes are based at least on FIG. 1 and the accompanying description on page 3, lines 6-10 and 18-23 and page 7, lines 3-5 and 11-13 of the specification as filed. Thus, no new matter is added.

Claims 2-4, 7-8 and 10 are amended to be consistent with claim 1 as amended.

Claim 13 is amended to recite “at a mobility server: receiving a registration request message from a mobile router that includes a request to allocate at least one mobile network prefix to said mobile router, wherein each mobile network prefix corresponds to a subnet behind the mobile router and comprises a plurality of internet protocol addresses” These changes are based at least on FIG. 1 and the accompanying description on page 3, lines 6-10 and 18-23 and page 7, lines 3-5 and 11-13 of the specification as filed. Thus, no new matter is added.

Claims 15-17, 19 and 22 are amended to be consistent with claim 13 as amended.

Claims 22 and 23 are canceled.

No amendment made is related to the statutory requirements of patentability unless expressly stated herein. No amendment is made for the purpose of narrowing the scope of any claim, unless Applicant had argued herein that such amendment is made to distinguish over a particular reference or combination of references. Any remarks made herein with respect to a given claim or amendment is intended only in the context of that specific claim or amendment, and should not be applied to other claims, amendments, or aspects of Applicant's invention.

Claim Objections

Claims 23 and 24 are objected to under 37 CFR 1.75(c) as being of improper dependent form for failing to further limit the subject matter of the previous claim. Applicant has canceled claims 23 and 24 and therefore requests withdrawal of the rejection.

Rejection of claims 1-24 under 35 U.S.C. § 102 (b) as being anticipated by RFC 3344- IP Mobility Support for IPv4 (Perkins)

Applicant respectfully traverses in part and amends in part. Applicant has amended the claims to clarify the invention. Applicant therefore respectfully requests reconsideration of the rejection of claims 1-22 under 35 U.S.C. § 102(b) as being anticipated by Perkins.

Applicant has carefully reviewed the present application and the cited art and has amended independent claims 1, 12 and 13 to clarify the claimed invention. In particular, independent claims 1 and 12 have been amended to recite “wherein each mobile network prefix corresponds to a subnet behind the mobile router and comprises a plurality of internet protocol addresses; sending a registration request message to a mobility server [home agent in claim 12] that includes a request to allocate said at least one mobile network prefix to said mobile router; and receiving a registration reply responsive to said registration request that includes at least one allocated mobile network prefix”, which is not anticipated either expressly or inherently in Perkins. Independent claim 13 has been amended to recite “at a mobility server: receiving a registration request message from a mobile router that includes a request to allocate at least one mobile network prefix to said mobile router, wherein each mobile network prefix corresponds to a subnet behind the mobile router and comprises a plurality of internet protocol addresses; allocating at least one mobile network prefix to said mobile router; and sending a registration reply to said mobile router responsive to said registration request that includes said at least one allocated mobile network prefix”, which is not anticipated either expressly or inherently in Perkins.

Applicant respectfully disagrees with the statement in item 2, pages 2-3 and 7-8, of the Office Action that Perkins describes “sending a registration request message to a mobility server [home agent in claim 12] that includes a request to allocate said at least one mobile network prefix to said mobile router (Section 3.3-Registration Request, A mobile node registers with its home agent using a Registration Request so that its home agent can create or modify a mobility binding for that mobile node); and receiving a registration reply responsive to said registration request that includes at least one allocated mobile network prefix (Section 3.4 – Registration Reply, A mobility agent returns a Registration Reply message to a mobile node who receives the reply and which has sent a Registration Request message.)” The cited passages, in contrast, describes a Mobile IP registration process comprising a Registration Request and Reply message

exchange, which Perkins states at page 27 “provides a flexible mechanism for mobile nodes to communicate their current reachability information to their home agent. It is the method by which mobile nodes: -request forwarding services [of datagrams] when visiting a foreign network, -inform their home agent of their current care-of address, -renew a registration which is due to expire, and/or -deregister when they return home. . . . Registration creates or modifies a mobility binding at the home agent, associating the mobile node’s home address with its care-of address for the specified Lifetime”, wherein a care-of address is the termination point of a tunnel toward the mobile node for datagrams forwarded to the mobile node when the mobile node is in a foreign network, and the mobile node’s home address remains unchanged regardless of where the mobile node is attached to the network (*see* page 6 of Perkins).

Accordingly, the registration request is not a request for an “allocation” of a mobile network prefix but instead is used by a mobile node to inform its home agent of its care-of address in a foreign network to which it is currently attached to enable the home agent to create or update an association at the home agent between the mobile node’s home address and its current care-of address, in order to properly forward datagrams to the mobile node. The registration request, thus, does not “include[] a request to allocate said at least one mobile network prefix to said mobile router” “wherein each mobile network prefix corresponds to a subnet behind the mobile router and comprises a plurality of internet protocol addresses” as recited in independent claims 1 and 12. Likewise, the registration reply does not “include[] at least one allocated mobile network prefix”, as recited in independent claims 1 and 12. For similar reasons, Perkins does not disclose the home agent “receiving a registration request message from a mobile router that includes a request to allocate at least one mobile network prefix to said mobile router, wherein each mobile network prefix corresponds to a subnet behind the mobile router and comprises a plurality of internet protocol addresses; allocating at least one mobile network prefix to said mobile router; and sending a registration reply to said mobile router responsive to said registration request that includes said at least one allocated mobile network prefix”.

In view of the foregoing, Applicant respectfully submits that Perkins does not disclose all of the limitations of independent claims 1, 12 and 13. Applicant therefore submits that claims 1, 12 and 13 are not anticipated by Perkins, and therefore the rejection of claims 1, 12 and 13 under

35 USC 102(b) should be withdrawn. Applicant requests that claims 1, 12 and 13 may now be passed to allowance.

Dependent claims 2-11 and 14-22 depend from, and include all the limitations of independent claims 1 and 13. Therefore, Applicant respectfully requests reconsideration of dependent claims 2-11 and 14-22 and requests the withdrawal of the rejection of these claims. Applicant requests that claims 2-11 and 14-22 may now be passed to allowance.

### Conclusion

Applicant respectfully requests that a timely Notice of Allowance be issued in this case. Such action is earnestly solicited by the Applicant. Should the Examiner have any questions, comments, or suggestions, the Examiner is invited to contact the Applicant's attorney or agent at the telephone number indicated below.

Please charge any fees that may be due to Deposit Account 502117, Motorola, Inc.

Respectfully submitted,

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